

RECORD

7. R. Forsharg

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7. R. Forherg

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	Rail trip Paris-Limoges-Toulouse 1-5	Jura Mts.

J.R. Forberg

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J. R. Forberg

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Eidgenössische Landestopographie Bern



Service topographique fédéral Berne

1958

7. R. Forhery

OLORON-Ste-MARIE

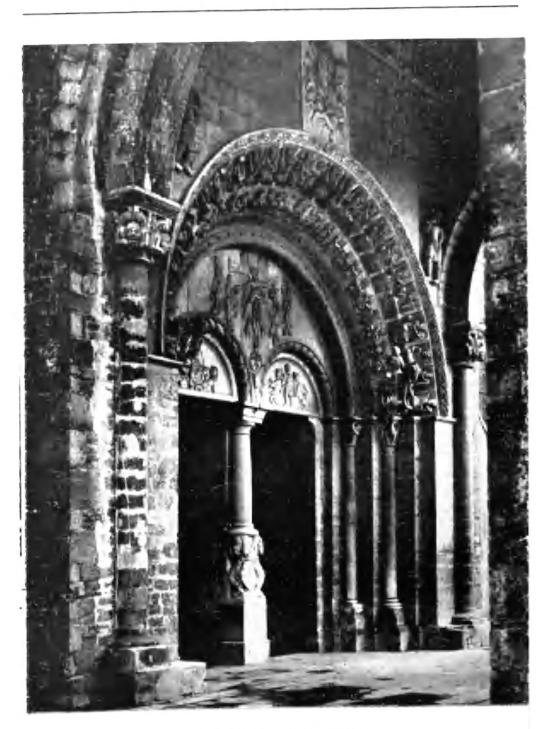
et ses Vallées

41

(Basses-Pyrénées)

FRANCE

.04

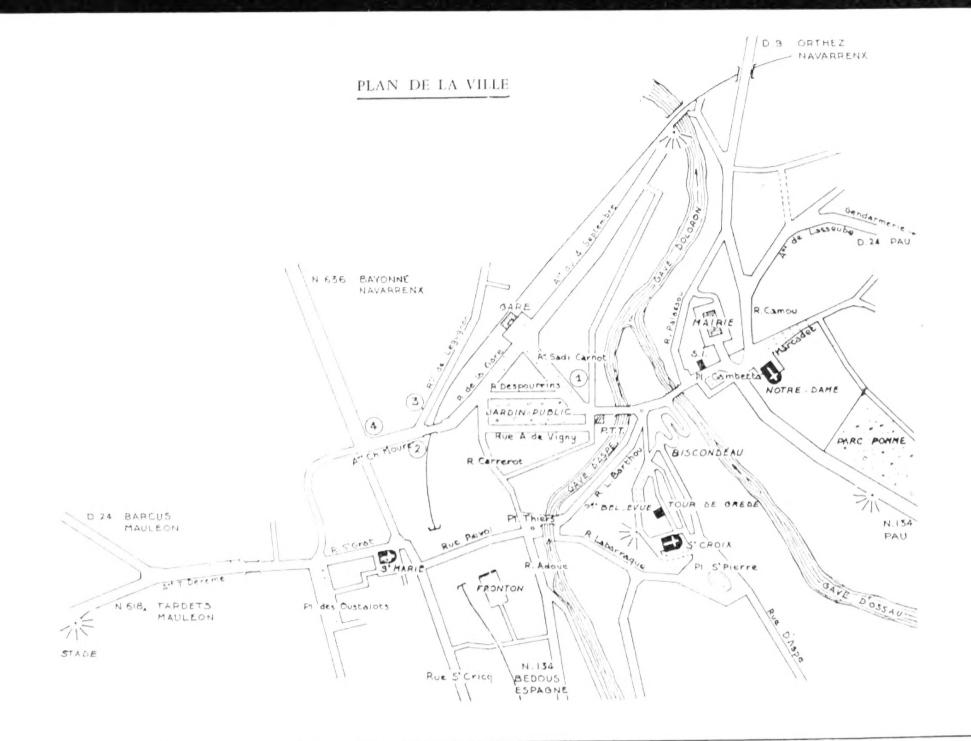


PORTAIL SAINTE-MARIE

EDITE PAR LE SYNDICAT D'INITIATIVES

7, Place de la Résistance - Tél. 196

BLATTEINTEILUNG TABLEAU DES FEUILLES



VISITE de la VILLE

La ville se compose de trois quartiers séparés par les gaves d'Aspe, d'Ossau et d'Oloron (réunion des deux premiers).

Quartier Sainte-Marie: A l'Ouest du gave d'Aspe. Cathédrale du XIIⁿ siècle avec son magnifique porche et son trésor. Le Stade municipal (vue sur Oloron-Ste-Croix, sur les Pyrénées et le pic d'Anie (2.500 m) et son terrain de camping. Jardin Public.

Quartier Sainte-Croix: Le vieil Oloron (Illuro) entre les gaves d'Aspe et d'Ossau. Eglise du X' siècle; sa tour de Grède: ses vieux immeubles. Promenade « Bellevue » (vue d'ensemble unique sur la ville et les Pyrénées). La rampe du Biscondeau.

Quartier Notre-Dame : L'Est du gave d'Ossau, la Mairie, le parc Pommé. La route de Pau (vue sur le vieil Illuro et le Biscondeau).

DISTRACTIONS

En toutes saisons: Rugby, athlétisme, foot-ball, boules, spéléologie, sports régionaux: pelote, quilles de 9. Région spécialement réputée pour la pêche à la truite, au saumon. Chasse: palombes, isards, sangliers et battues à l'ours.

En hiver: Ski. Gourette (3 remonte-pentes). Peyranère, Aneu. - En été: Camping au Stade municipal, canoë, tennis. Fêtes: en juillet, fêtes d'Oloron; juin, août, octobre, fêtes de quartiers. Foires: le le mai et 8 septembre. Pèlerinage de Sarrance, le le dimanche de septembre. Junte de Roncal, le 13 juillet, départ d'Arette, route de Guiers.

OLORON-Ste-MARIE

et ses Vallées

(Basses-Pyrénées)

FRANCE



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ÉGLISE SAINTE-CROIX

OLORON-STE-MARIE

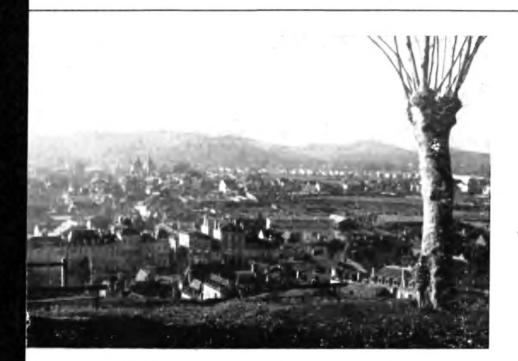
ET SES VALLÉES

230 m.

(Basses-Pyrénées)



SAINTE-CROIX vu de SAINTE-MARIE

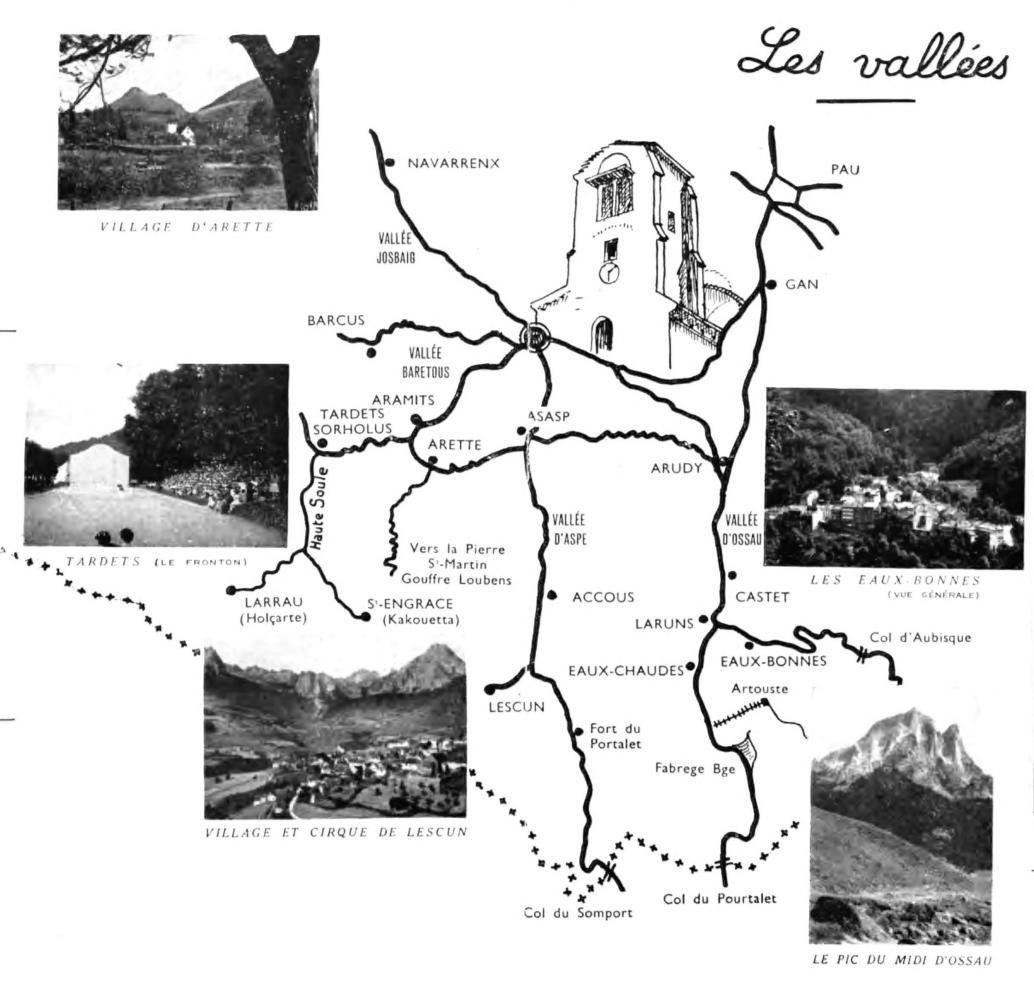


SAINTE-MARIE vu de SAINTE-CROIX

HISTOIRE DE LA VILLE

Les origines d'Oloron remontent à l'époque romaine.

La ville abandonnée après deux invasions, par les Vascons (IV° siècle) et les Arabes (VIII° siècle) fut relevée par ses évêques. Centulle IV, vicomte de Béarn, en éleva une seconde en face. Du IV° siècle à 1790, Oloron fut le siège d'un évêché. Soixante et un prélats se succédèrent à cet épiscopat, depuis St-Grat que les mémoires appèlent « un artiste brillant » de l'église gallicane en lui donnant le titre de « Père des Pauvres » jusqu'à Villoutrex de Faye. Elle fut même de par son importance et de par sa population le siège du département pendant quelques jours. Mais Pau ayant intrigué et fait agir ses mandataires auprès du Conseil des Cinq Cents « les Anciens » affectèrent à Pau, le siège de l'administration. La loi du 28 pluviôse an VIII en fit une souspréfecture.



A TRAVERS LES VALLÉES

Vallée d'Aspe: Vers l'Espagne par le col du Somport: Saint-Christau-Lurbe, station thermale (maladie de la peau), parc, lac, excursion facile du Mail Arrouy: 2 heures (magnifique vue sur Oloron et la région). Sarrance, lieu de pèlerinage. Lescun (31 km) au centre d'un cirque de montagnes, nombreuses excursions (Pics d'Anie, Ansabère, lac de Llurs etc...). Fort du Pourtalet et chemin de la Mature à 40 km. Peyranère à 49 km: champs de ski et vue magnifique sur le massif d'Aspe.

Vallée d'Ossau : Vers l'Espagne par le col du Pourtalet (60 km) Ogeu : eau minérale réputée. Buzy : dolmens à la sortie du village. Bielle et Laruns : vieilles maisons, centre d'excursions. Eaux-Chaudes : station thermale et Eaux-Bonnes : station thermale (os, gorges, poumons) sur la route du col d'Aubisque. Barrage et lacs de Fabrèges et d'Artouste (Téléférique).

Vallée de Baretous : Aramits : vieux châteaux. Arette (à 20 km) : junte de Roncal, gouffre Loubens, centre d'excursions.

Vallée de Haute-Soule: Tardets et Licq-Atherey, jolis paysages basques - Nombreuses excursions, Saint-Engrace (Gorges de Kakouetta, Eglise classée) - Larrau (Gorges d'Holçarte - Pic d'Orhy).

Vallée de Josbaigt : Vers Bayonne et la mer, à 100 km. Navarrenx (20 km), vieille ville et remparts. Jolies perspectives sur les Pyrénées.



NOTRE-DAME

Spécialités gastronomiques : Confits d'oie et canard. Palombes. Truites. Saumons. Fromages de brebis réputés. Vins célèbres de Jurançon, Monein et Lasseube.

Productions locales : Chocolat, meubles, bois, chaussures, cuirs et surtout bérets, sandales et couvertures.

e nationale de la Suisse 1:50000



ÉGLISE SAINTE-CROIX

OLORON-STE-MARIE

ET SES VALLEES

230 m.

(Basses-Pyrénées)

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A BOORUM & PEASE PRODUCT

France 1760 may 15 - try by roll Paris - Limoges - Toulous En Fields mostly, beautifully 9 den south of Paris. Thickets on m. cuts and in noviner etc. s. of Paris mostly dominated by Robinia, Cratagus and faburnen., all in fort bloom. assulus of and Apples (?) in bern. Viscum 7/1 in Robinia 121. Landweighte bloom Waste places with falium nollings, Papaver, Kurnes acetosello, Vicia, maring of comering comprising, 45 minutes at of Paris The Buttergery country is very ofpen, me Flower. budger, frew trees, interewegently cultivated, large fields. Tringto Chevilly, about 107-1 km. in ord Paris. Teden a more petcher of words, weer along wada, etc. Woods have freezen Rofinia describes, 9:40 Orleans guidmil bet Indan, and Vienzon are considerable areas of a complex of heath, gorse, birch pine, and trickets, nice finds with numphoes. Thusy sind.

bouth, a little vegore Unateauror are considerable very dense woodlots in cultivated field, the cultivaled arous spotted with patches of drienet, which may represent sink-holes, though this is not clear, or the hotes count be scortlingly The dense semb. Into a two close to the in seem to have definered furt before Chateamoux in a find close to the track was a Mymphusa (!) with small yellow emersed flowers.

(1)10 insteamour

12:0 Limoges

golf rates

South of images a great part of the trees look as though they had been hit by a late front after their leaves had started to emerge, and then, after being force back, pad started of ours, I his could of ours, I have the result of a disease, but it seems that more than me species is affected to may even be that these species are just starting to leaf set, but this seems according to leaf set, out this seems according to they.

suggesting considerable fog! mistletor on popular could rate(?). many of the trees show a columna form and an abundance of small Lateral tranches. Judging by some that are freshly trimmed this is the result of pruning to bare timens except for the The - 7 m Hells well south of de german les Delles, lefore Uguste have unsiderable wiel and some calling. Cytisus, ferrity, when common integers ytime + genera 2, full flower. Chrysanthemun leverthen abundant on no. cuts, and open weedy sports in general - perhaps not in extreme grinces places out certainly in earlier, herbacebus, stages of succession. From Limoges south The country has been low hilly (rougher then most Va , piedmat, 1:39 Uzerche Hidera on welly road cuts. also an exect fern-furhabe

Prominent navines with

New walls.

1960 France The or Illasic istaly of spectagethan rugged scevery. apparantly much state mine remailance south of here Pteredium very prominent in more often forests and in waste spots. not fully unreid. country much of 13 mine helly, of a coursely bedded sandstone. The frosted appearance of the west is also notable her exp. at lower levels in the the conyms in fact the transition by would to full respectout frest is almunt. Robenia continues a ve very prominent on broken hopes, esp. w. cuts, etc. S. of living Crement som bally grazed hills have scattered franken commune. From here with limestone is at least very prominent and dry then slother with fungerus are frequent, at least to mel south of Calino. Louth of Campsade the

country flatters out and

than billy. Valley of Raveyon

become rolling rather

may 18. trip by bus to Pyrenece s. s. & Toursoure.

14 dem. Island armount my some or feeld, very ends, a few notcherd works and protons on rolling-helly ground, gray soil, the survey Pyrenen a the background (1st 4 booken. und wheat with popular) After simons the custime or gradually give way to games in and then to Torest, as on for lowmad to argues. Then as the mountains become rougher forest, ask of fries (huntra) become derminer planted Back some in rement hour two berest headquarters of & Estagnol. The fun seems to be functioned as 9 more tree for various bood - leaf species in a de in to the beach. This area was badingeroded Junique when the refrectation - started, something like 100 yearners. The landscape is Intirely changed. I had of contract east of argue book gariew. ser a con Ednigue. Filis to a very ster and

Irmalism timen rie more

4 Thy Carther Tronspectors

flowering. Busin & funipeurs Drichnium suffrutursty.

covered by garrique with patches of grass, exp. on indges and protelus of small forest - only conigans. Some bare linestone cliffs.

Photos (born 1 b. 2 sa.) from high years, serul on limestore and valley of inde towns faillen) covering mystefolia on nood cuts.

Bug - Tourbrere de Pinet a flat in a depression sudrounded by hills covered by a dwarf serub of Calluna, dense a broken by Siophnum mostly gives Eyan penstand of lines ununada, but muse a less ofren in center, here with dwarfet fine a four Betula + abies around periphery to well reporated Hills around flat with abis fectionata. animber of how plates + several fordarhamen.

of Fragus, whis, grass, grass with restance of time acopains, with restance of time acopains, while some timber was with some fine of mes with some of the Chipula Beech frost with many berbs belleborn, Dortone, furthey turn, rependen

Valle d'ariege - sphotos
of Danseran in Cytava mol
Below ax. litherme stack valles
walls densely evocated.

Leve slope tarther down
the slopes me less steels,
and cleared and terreed.

in grass, largely, south
slope wooded!

tarther an flat land
mostly in wheat, roge of
prototoes, wells where foces,
eve ed by low seculo starse;
sent of business etc. gentler
slopes cultivated

10 France 1940 Way 18 - Tourner de du ne with you show bayer of severe 40841 Lightnum cohomon 42 Pinns uningto dominant 43 alies fections to occasione and magin of 44 Carlina rulgaris abundant 45 Pinus uncinata dominant " Betula alla ver vermerea occasional in edges of May 3 Go & Chioula, also 2002-lethery In dense Fagus frest 47 dryspiteris on webs 47 Viola camina? common an genery manger 49 anemore nemoca corrmon in gravey openings 50 Ventaria grinneta common 51 by morning turn tuberoses occasional 57 Tagus solvating dominant 53 arrenda

are for trace try 5 m. t. i. Tree 19 mm To _ 2 tome. show 0,5 m tec Tree 7 miles The som Tall trums Hora honde prostrate lower viole. whizone build, brown. flowers white turning flowers will yellow flower white.

May 22 - Try by bus (International, Phytosociological Exerción) Toulouse - It gandons.

glat teraces well-model

intensively cultivated -

a few small pastures,

of woods, mostly a coppies

small fratches of waste land in cytisus a something

Trees around brouses mottores along roads, some hedges but

of the landscape.

beyond martres. low wooded

Beyond St. Minterey The valley widers again for

St. Jandens - Tarby

text valley continues partir more prevalent hills are more prevalent hills are much headges and.

fratiles of wood. Det. Montaejan and Lanneveyor

some fratches of other facent

also of ulex names Pasture and

hedges monal. There trees in landscape. Greens pedimenlata commer, largely planted.

Wet Pannemer an Captern

lande - en open welling

but with Callung, some

scattered balix (In the n ten Rubus

The whole is a dwarf send

shots little grass generally

the Commoraticillalum, Landlaly

Trolline commen is the grans

& genista inglica

a lex mans

a mollinio caember

a levatula pintatinetris

o Potentilla tormentilla

or Carer binere

c Energ tetralis

c-la Calluna vulgaria

c talix capiea

to Chamins frangula & refertus

e Populus tremula

~ avena sulcata

e Salin atrociona

c Rubus

a Pteridium aquilinu

Betula vermina Corner sanguines Cratagos organilla faling of. Rosa Phamous fragula starting to from theat. In objaining channe: molling is dominant with some admitting of a Jerney (cf. baltier) Us durant serut varies to a mixture of deving an and sowal south with Luzula, but the now & pedifron 1 forably Patriden in abundant with gran

May 27 - 1.5 km. a Capvern,

wo f hannemer in

open trecless "lande"

H0954 Luzula

rare in grassy patchin vlex name acut

so falium verum

common in would ove land

dominated by Iteridium

56 Cornus sangunea

forming small thicks 5

with Crataegus halix Rhamme

etc. in dwarf acrub of illex name.

across the word Plenden against with then gram and when of when, etc. and a constantly liferent herby flore flore rather sicher soil with lower water table than where derminated by Wex.

Perp ravine toward Capven lensely worded.

1700 Pyramin

plower greenish yellow.

should a om tail; yearers white

Bet apoen + Toule is a broad rolling relay with woods, thecliets, lands, bedger, pastures, and vineyards, cult quests. forming a varied mosaic many meladons with conspicuous flowering had - Raminale Chrysente Inum Tribolum Orchis, etc. Crepis shower in hay. Castanes planted and subsportaneous. Lelise, alms, Frasines in ravine bottoms. In queres on sides. Betala menurosa where theo is som, water or sand. abundant fin most thickets and wooded situations. Jarles - Lomdos that generally agriculture land, low worded or - semi wooded hill in distance on both sides 17 ecomes more rolling and even killy toward freedles, which is definitely in The foothills of the Pyrenex. Hills wooded rolling valley land cultivated. In hells cleared and in practice.

Loundes & St. Christian west of fruides - hilly with patches of words. ete; being colonized by Kobenia. On more gently sloping place cultivation. Frest is oaks chestnet, Tilia, ete., exally open, mostly dense. Beyond Pethanen - flat agriculturas land, meadous with hedge, small paties of wood, tree in the bedge. Torrace along nives tostelie. funed left, again, toward Tyrenees, up ver ligher terraces, country still rather glat, but tenaced. asson. Icenery to left spectacular. abruft mountains and deep causes More broad terrocce with mecedous and cultivation somewhat dissected, ahanging to rolling hills. Deyon's Druger the hills are are higher, westly pasture with hedges and frateles of words, wooded raving bottoms. Superficially much like forthelds of Amobiles in A() 1) eyend arendy. toward

St. Christan The tenain becomes rough, timeda. Heefer olopes densery wooded with querers, etc. Then large dissected alluvial Fran. Ravine, wooded flatter grund you grastier. Brisde Bozon - naturalle a beech firest but with many exotic trees - quercy sulra Firestendion, Pseudotsing a charmagine etr Alies. Road climas rapidle From Osasp (St. Christin) the road tollows valley of aspe derectly my, entitle Properes. Hee's slopes mostly wroded, some in pastine or their in Heep sparsely trushy limestone - Ciffy have and There. (Buxus). gentier eloper and valley bottom in facture. herry thiston bedges, opposets I retard erosion. falex spy, incl. 5. normaninfolia in caryon bottoms. Some rather striking tales at fort of cliffs.

Liffs become more numerous, are no longer limestono above force. Place where They changed not noted. There look like granite a gries a selier. lone limestone still. Latifraga longefolia very stressing on var elfer. near widor ality mostly limeston of aske seem to be Faguer, " Music abundant in rights bats (1072 m). Near timberlino en unoquelar belt of Pinus uncinata mixed with the tagus. Heavy snow still on high pechis and olother. Roch above about 1100 m seems to be a solist on shalf. abies in high canyons. The tagues at high altitudes shows a marked tendency toward twisted sitems - handy and even smaller trunks. Cliffes are limestone again. Trees thin out to almost nothing on some slope, still a forest on others men top of Cal. Many sleep. Red Schird near Top.

magnificent servate spowy west west of Col. Khododendin ferrigineum

m north exposures. actually very little for above person a little voterns.

Here the regitation is a truly soot in the

defressions in the red seins - anternaria,

fremula, gentiana, many other compact herby. Many flowering . I carinal

forstrate funitiens communes

1 hotes - 4-5 ked. 1 bin.

Spain.

going down from lot a dwarf seculo of funifere Callum, Frieg 11.), etc. is general alternating

in blaces with bare red retiet or low

grass Tuy. a little lover, by military relieve, grans

general, very heavily grazed. Lendienty on grazed tesporate

scattered trees - Pinus

mucinate alexan stay wally with east extranel and

on talus- This on limestre.

Do spore Prana send also on livestone tales.

on cliffs anna cany fine i mere abundant.

17 your sent a become

abundant a little lower said to be not eaten y

sheet , I be true to thou.

Pinus sylvestis somes to with I menute on

ely slopes a bit love, on alluving largely

rehist. a little Fagus on steels

sloper.

dend of Dunes Sent with some other chings

becomes dominant pine

22

gradually changes à spare scrubby ment shiped with send as cantiane is approached. around Canpane there largely pind, some ench, the trees weren 2200 mm said is have been planted. Vlanting done to prevent avalanches. Walls of carryon below Confrance of a bedded well, probably at least tractly liney, covered by a complex of again simb dense serub, and small hatches of your forest. Populers, Later, in cangin bottom. From the serve is largely gueren ile. but mixed with wany things, est. Busis, Jenso surpires, Thymus religionis In gentler slopes is now from an then send. In left side a dense freel on steel sever mostly innis my westres and planter. fower down the sent below -more mixed, esp with genera. mostly an open dwarf soul.

May 29 - Jaca to Ordersa Cultivated valley east of Jaca - coarse allevium ophincipal trees Populus + felix. Hills covered by many server. Peña de Orvet - slibys boare, when idge wooded with abies of agus execut western end which is bare. Kown sloper covered by lines oglosting Tarthey east cultivation granfighter way to "lander" of various genistation Buses. a dwarf sent, largely almost closed. l'enific evosion in the allewing and shall of the valley byttom. Ended surfaces covered by share furty souls. hereral terraces, each with some gleat unerodes land, which is cult. Kis leuren las o braider grandly bed with variet space scrub Valley running worth is mostly cultivated, with remoby slopes on w. side. contination or est alope. fields held by hedge.

Spain

Spale-ofb slope slope showing

part has

The world

from below Esquer Dis Gallego below Brescas Istop. - I small oak frest on a steely east-facing slope the trees guerrens processes polar 1-4 m. whart, about 8 m. tell mostly more or less force ord, trunky #0-25 cm. och cenopy almost closed. Tome most on trunk think rayer almost lacking, a few scattered Dueno 1-15 m. tal. Hert layer centimens 2 dm. : mil hithrospenia (?), mos legunous a run ant. larg nallerine Cytises sauchfolic im it I'm weak sound stony of suppressed junear very space.

is an open sent of Poury services of Presser Sentens or Reser Sentens or Reser of Plyman and other layers of Hymnus open and other lasts press from 4-10 dm averageing 7-10.

Leantheman, was from 4-10 dm averageing 7-10.

Tally east of Present. bottom cull small bulds segrerated by stone walls and hedge former sloper also stopieon south side a dense forest of Pinns, locally varies by patcher of decidence trees inthord bushy but not seen well - genista and Brezes, etc. scattered prins Two terrace levels in villey bottom, connected by ded ravine with side partly swell, partly pint great on with side, send in worth cavin perhaps I don. long. Prince fairly continuous on s side in north a morare of serve, serve with scattered prines, there oaks fruit, fund forest (in side revenes) bottom desappears leaving only a gravel wash between you steep just govered walls. I'm much sparson in worth side Mired with Much soul I'm strongly foundinged by Viscom allrus. feathered Fagus toward head of valley. Whiled in young with quercus, afres

Road gree throng terrores at 1428 m, Colefiable. rito avolla diarringo system. Here somewhat the same trattern - fine on south side, buxus - Jeniela cent or mill. also a considerable area of ook from in an south side of the and with side of fagues, will always almost dissurrant of rather ofen, also, on mind. The tunned not much -below timber line, great grassy state: alone; but grass wery than. talky bottom floot and Two down walky wood fre much with vale cu north side, Valley intersect or large worth the Torks lower east sich steel. frine correred your brond long trees. We I seed sent certiel Tottom and lower sloper tenacet and cult. about Into the vego lation This out, generally sent Magnifished cliffes Atreams clear, the.

Turned east again in deep canyon. I me from on Tile ladge, ite. Eliftes almost trave Brugar common is undergrowth from tague mixed with This is Ordesta Canyon. Fragres in places indervised but mostly four sylvesting. On high ledges are lines of abres (on worth side). - arthury Jaguer almost completely replaces hims, with admixtus of abies high up.

at the end of the in anders The is a compact very low truly in the valley from, along the growelly braided stream. Om the side of this a luxurant growth of Dunen with a few very feel frines above this a misture of Tagus and Vines in varying fra portions, well, a thin days of very sprintly Mus) - 3 m tall ver should of Shapshore and humans, very thin their layer

28 Spain

of Those of Vaccinion et are armegular so but thick mass lay ing rocker. Humus thick telever water laftene abundend in since offering 7-4 m. lad the 5 78 m 5 - Hoem of the inn rallest Many young africe in sam layer with Busin. Crollegus, distrumination opening. Musses abundant on frunts, od of tages. Lattered young Fagus. no young fine ever is small ofrening.

in the town of allies, heatington in that grand, with a real breaker.

The thin shout larger is a so tall of Burns, nome abies, thin megale grand lays, if wall a grand lays, and about a some about more.

with the end of the now the lower sloper in the north side form a series of terraces doubtiess man make, the walks treed by bedger of Burens Troing on the rock walls. there are not exactly regular, and there are perhaps 10012 the topment one of two quits narrow fine frest. The Ke of the are grazed ga close dense truly by cows. Morether is a 45° talus slope invered by a pino frient, varying from offen to closed, trees variously spaced, as elore as 2 m, as from apart as borg me one, - up to 3-4 dm, olbh 20-25 m. tell a well developed shout layer, Then Galored, 7-3 menigh mostly is using Hepalica, Vaccining mystillus, a grass and a genista (1) form the best layer - rather sparse, the Hefratica and grass most abundant, moss very abundant on rocks and

foil blakh and trume between wells of talus i su small Fagus. Vrumm on Ihres. Cilland this the freed Thins out as the soil thing to north and there is a fand of -serve with scattered sently pine, Tilig at trive, margin. The sent is mainly Durus, frut erally General fromide alundant scattered amelanching Small Thymus, Stern Vermen, it. a and with garden. (Cifin in place)

well into the words below but there is very serany flowering, and not a searchy plowering, young prines missed in June paids of this words.

Jenerally the region studied on traversed has more mesophytic vegetation on north bacing stopes less on south. In n-s. valley, the difference are fortwitous.

36 Afrain Pegrola (Moneses) remiflers 40870 1350-241 occasional in Errus - Fague forest 71 asplenium fortamin 400 funds wift nane on in creview boulder to Panus sylvestris freet 72 Hex agnifolis small understory tree, leaves 1 m and Twenty with bitter almouts own local in deare abies from on steely tales when crushed. 73 Amicera in shoul os mitall flowers occasiona on open grave red sygmorphic, bankofstram - varie united 74 Cumula farina weres writed beneath; local in open Trust in walley bottom - Cowers bright wink 75 Krimonda terile, leaves appressed none on boulder in dense wen. tagues forest on steels taken sign. 76 asplevium trickmene - 37 P 371 on north in Renner- Pages from May 201 Valle de Hecho 750 m. Cosa Forestal Limestone cliffs followers married. nucle in crevier Ceterach mont son places

may 24 - Jaco - Hecho bot Jaca and Javienez and are tenace along the river the terraces cultivated, he slope in degraded strub or dwarf semb on open durant serul. many trees - Populus spoketing Juglans, Jalis, etc. planted breatly. gravelly mer bee with inequalar open served and during sevel. In places this approache fait in lit. Some primes on moth fracing stoperatore vive evers.

with much gravel

anager other we followed a tributary with a loval grandley bed in a wide brake Du stook slotes of this terrore is send, locally boost, greams ile ma top from to reddish brown to reddish brown soils on flood plain many ands.

Jamenegay to Hecho. Valley varrows, beleven gootbulls of mto blople covered by scrub of Busine and Glista. Some infrarent refrestation on sories of narrow terraces. formewhat up the valley the slopes are locally gentler and are gentrally cultivated where not more than 30° Salie abundant in river de. Atol above Embran - 700m. Dry wely slope with dway sent of general hounds and of serpioide, Thymus, etc. varying to an other Buxus scrib mixed with low ferrita. horis monspeliensis, feliantherny Brome avena homoides Englishing exigura, Polizzala monspetionsis Ranunculus of cares of les hallerines Justevim norbonnensis, of striction. Crynquem competer, Prufileurum ofracim, Crepis?, Circium sp. Micropus erectus, Ceranthemum. and a considerable number of other herbs - these down within or between the spring about trus protected from grazing which is obviously very beary here

The Proper general + Thymas apparently resist the grazing ilso the Phlomis. Orobanch eruenta ants genista scorpinides This degraded served seem characteristic of much of what is seen along the lower sloper in there booklike. Varies locally to much more luxurigant sans with your ever etc or to low grass with genista Up the valley the aspett becomes mue lincurrent, with larger Buxus and reallied engle valor ste Valley narrows to a rocky canyor with a much denser and taken servel in tales. Goste grazing in it. Widens out again. Some ocatted fine in steeper slopes, even on gention well slopes. Cultivation where there is soil. Valley namous again and walks me pine covered. fine cultivation in bottom. U-shaped.

it the casa Fronta the valley is between enumous differ with frested ledger. The dry Iledger have a seriel fret of Juleveniles, the broady slope below have Tilia ANW and the talus Pine sylvertin word. Spectacular limentine differ have a bloom of cieve plants; the most spectacular being hardrage longifolia deveral succulents. On ledgerher Busins Elia, lirbus, Prumus Jorn an inegular scrip In moister hornets Tilia Fraziones with should layer of Buxus, etc Cratazques y Cornes around margine

421960 freein May 24 - Valle de Hecero above Embun between tubing heavily grazed wife spring dwarf semb Lation loves stopes of Pero Orevel - slope covered to a great extent with general houds with considering NA son Junipenis (defree =) scattered frine. avena fromorde Thalistown bulbour ofining salsaloples Votygala man Helian themum italium genista germanica Cap Cair hallerang Instructophylos wa - was 40879 micropus erectus common 80 Sherardia arvenus flowers finds common 81 Carduncella mitissemes occasional 92 Chris monspeliensig comma 8) Onobanche cruentus orolla maron, rather glassy rare, associated with genisty scorpius within, whities williand, stig may yellow on the red donally. as officer

Crossed a stream with south south in wally walls up out a cultivate solliwing terrare south of Jaca Vyron slopes of this cere frastine with open levery send very close worked grass. Hill obove Turn covered by inequality makes

ym 4.42)

algorith slope not algorithment, and the Busins and with many other species.

the stopper are covered by free mine great with greenews and a donce with general with mide and genista borrida borrida and genista borrida borrida and genista borrida borrida and genista borrida borrid

derme stop were lover proper s. m. of pina de Prue very ended stope. Here General Courses is abundant, with anotatally, ferrite sentimes and Ernelandur, Busin Polygalaumann I whymungs Thalietum tuberoum avery dromvides favendula very (ra protenio Tarabacum Globulano cocina

Dense serul og moderate slopes of genista horrida, Prusus amelandus, anctostaphylos, mans but it Offings waterlata

Father in the hills pin Secones quite abundant on most sloopes where then a dense send of mous, genity havendula, etc. or of quereus iles, anelancine etc.

Then an open serve forest of freeze with forest.

3 nd stop . an organ free con ster in high realtered framerers rejection and Bryeng romance in middle strip and lavantula and genesta scarting a Lower meas so in antistaphy tours. Much base enroled ground . a weathers enry Grand sandsons

war of an leaf onthing or of spinished teeth are months from teeth are months ones mostly over form the spinished ones mostly out form the bave dentations and form twing in even on name twing.

Love trees of might answer on some twing the second with answer of the contract of the second with answer ones are inferred with answer of the contract of the objects.

Oppry solopar

Frank Words manuel me comich

poulee

53

from dwarf serub featiles (0, ~) to small trees 4-5 m. tall.

Wol Berdun very action gray change in same clay toward (hods?), harded river hed ringuido, hopping pately. clark. Top of this terrais alone cropped grass, stight invasion of genista scorpius. grading to garaign and Binnesserel, and Ducus secret with scattered Guerens iles. Wif This cult from blain with many heir - Vogular, Juglan, etc. gravelly when with ofen lines sylvertris frest. Alopes on m. side with ver sout great of g. ilex. Burns, etc. shoul layer. Ht. or donsity of the layer varies. forme feveres arccipera corner in an ever go west.

> Turned north through integralen sent on stope of terrace slorg Riv there tomous cultivated, what Salvations,

covered by Busins sends very rocky, except cliffs, farther in, and wery mixed; much grant wery some arbutus wieds. windry some conyon. herubby slopes above.

Canyon opens out slopest now covered by thin Burns on geninta send, varying to thin gas and to derse Bryen send

The next range has bore with higher took bare to bare with mixed serve. Talus with mixed serve. There in some pine Talus Then serve thing out bears lower, mostly Busins, putale of piers facet.

Large open walley writh cult. + pasture scopes showing stages of degradation to

as walley namour again
of an fine great or scattered
prine on a sloper less on
lowesthan above. This
fecomes more luxurent as

we get farther in, buil for some distance there is about as much rent as ofen freet are. formest aloge cultivated faither in, canyon in nonver. clifts about telus. Pine shore prominent. some quenu tudescus. Then lower blubbs. with f. ilex, some piss. much Burns. Then The valley bradeys again somewhat, below Roncal. Then thich seemed fine forest on sont both side in morare with Parkers reins. Romal. a very justing town. above - a suprace of from and serve. More and were cliffs toward head of ralley. Decomes generally wooder often or closed.

Stopes covered with a mixed secondary serub front of volume mutano accompanto, Pinus sylvestin. Conflux avellana forme open ping forest or pine savanna on slopes absorb the town and or up the vallage

also, nearer margin. and

Gover down realles but above thytarrow bluffs with Genista occidentalis. Whoter bows below prime ferests, above stream.

Lower down, still above Ustanos, sphotos of Binus silvestris great. Rio Esca

some abies below Uz tarroz.

Cross road, below Rnead, from Ris Esca to Ris anso.
Down Pin feest on south, side, apares prins in rent on routh.
Touthe east, abis on a ride le of, gardes.

Celium of vulgare, growing on absolutely base was cuty in

open to open serub forest fines with Brisis should layer form area grassy. Burry thous out I extrono top, patriolly replaced by fundeurs; and in more open places, genita bours horrida and 9, xcapius On east side much less pine - generally garique with space fine tope facing with alward ack fine. Some month fracing alopes in anso alley proper have donce years - bis fruit. forth facing alother opposite have spare Briens south with scattered amall pines. upplement slotes on - side, alove fine, have a dear broad leaf served or semb forest.

cleared, platter frants cult. slopes for for the garing bally overgren even the garing degraded.

Below and along the atream trents. Base cliffs, mixed secret on leology sparse pine and dense sind, mostly 8 arms, on talus.

fremer down- gentler slopes with pine and vale finests varying from open to closed. Some mixed. Nove from and more seved

toward month of were secured -

For a good destune a coupler of sparse must great and Busunsemb, guerres with serting a garge beneton walls. - Many of soils incremes. to faverem 2%. taxinaga longitudia, Mainenda applenium fontang farihaya hirsur Colystichum lotatun Petroroptis commission Cytims searly one flobulario sp. Ledun of. below of nuting galum molings Caren Inning pryrencies Thymus sp. Buxus Oce opalus are monopersulana

The about I ham. we also should be where on the man of Rio Anger.

40908 Melangyum traces purple, Its corollar -yellow with red tube. show 3 m. talo, leaver Og Myricana germanica glaverus, flowers grinks. somet the sect about 3 m. all 10 quereus lustanics? stenle vecusimus 11 faratery flowers friends. 12 Telragonolobus glowers yellow. May \$ 25 - I lim. w. of fanta 550 -13 Convolvalus cantatricus flower finds. nave in garage May 25 - garge of Rio ansoleral south of anso in crevices on limestone cliffs hanging should I so long, tonicera fryrenauca - flowers cream ofto 5 Petrocoptis flowers very year hints. common flowers modeling, lemon 16 allium moly yellow, greenish without nove, food of dimestons clift in lower front of persontly. midrily green. 17 taxifraga germ ref. hireston tetuls werte over pents

1960 faam 66 May 23 - we de Ugtarry 1150 head of Rio Lafer Theren 40918 Lines vegan divargabus. form in steel graces cape Inymelea mugu locally common or grand olde polium venn? rostrate locally common or gram sige I yellow 21 Faguer sylverties common on open alopes also forming dense (verts) may v= - vlen we of lanta ilia, way pace both slope above the aragon 12 alnus opposition occasional in insquear semb mended slope W were competie in tes. cornen in megula seral or evoled slope 24 Campanula The. in inequal seculo of erody alogo

1960 Shain 66magny 67 May 13 - olde Uytang 1152 -. head of Rev may, Theren 42918 Live rayen droad stris. love on steely grassy siefe lymeter my prostrate locally common on grass slope falium venn? east from standar prostrate locally common on grany stope atem flowers greated yellow 21 Fagus sylvestris large spreading Tree. common on open stopes also forming dense forests) man 25 - 2 lan every 550 slope alone the aragon 24 Alous organism shows 3 m. well. occasional in inequilar seculo meroded slope should a small tree you tes, 2) rece competer common in inregular acral say miling. or eroded slope 24 Campanula flower blue - thughe. in inequalar sembor and slope

may ru - Jack & somport Overgrazed bulls, with thin grass and garrique. Reforestation with Pinus sylvestis. falix scrub in gravelly mes nier bed. This garique also. Planted quones of Populus. above Castille le face some hills are cultivated, steeps slope have a thin smul forest of frenew publicum. by west side mostly Busin. serve, very thin. Valley byttom cultivated, many tree. tarther up, store walls promisent allewed for have so garrique some onchards. Lowlandy proplans Valley marrows to a wide carryin. Former slopes garigue Pine or baye. much gurens iles in garigue Rines between clifts, from falix in lottom. Sarifrago longifolies on clipps. feweral sine of higher clips above. for it quest in lesign between them some grassy slopes. Garage Villandia Canfrance lone gross in valley bottom which is wide how, also

cultivation. Threbet. former slopes semewant toward much Tilia. some quereus pubercens (2) in lower parts, also some fine where being higer on reder, with Fague (7) International Station - Confiner above here Fague is mired with sine in potely Manner. Freit rapidly gets searce. mounty seplaced by Muxue were forme bone rock slopers eliffs. som close- crothed gram, mostly with reattered Deel niver navino felles with mixed decid some not a few pener. Father up mostly pine. Partelies of good hime freet and of Faguer fruit on slopes. (significant stry frazzy stopes with Iscattered Busins, many principlevering herbs. and whose fritillaring pyrenaics Janveren Belle Ungones destin Primula alchemica Primila From Centhylles dellen thementhy melen Sax granulata Liyaum ?

1100 m

This is actually a debris ione with limeton every of all sign, intersting Filled with huming soil and a dence sod an surface, nother close cropped. funifican silvers? Calling rulguri army limestone blocks! rathing stunter some rooms here are sandature - most! Lotus hirsuly Caren flaves alobulary withomis: Marrisses juncifolis doens semperie Captralanther ensigning

above the stop the slopes are afmost all grassy or covered by prostrate lumiperus see frattered very amaly is prines. Rock is red schiet. Very heavily grazed. Higher up, mostly Lallum. Col de forment

Porlay hills covered by a

mat of Calliena with some

runferus, small copies of

Fagus 2-3 m high, some slopes

locally covered by a most of

Phosdodendon pungineum

a few scattered pines locally

forme grass in between the

Calling love correpaid buts

grassia witheline

furt lower down a small word - sent front of Figues with laws quadrifolis. Oxalis accord Violash Vernice of. Herratica Beekroun operant 12 pylandon Voligtrichum emmuno Cystofiterio? (young) several other weeks to young to recogning accircian mystelling (mangers) francisco de la como d asperily odosto

1940 France selve under, leden 620m. delletoups vying Japana frances stop in decidures formed one in - tollowed trail mys the self-wall of the carryon through galis, various sombellifers. or morace of hick meadows Kurus, much moreis freed, some in face on steep slother almost more blowering boils than open and mixed but sun & je broken decidary trichets - To sheer limentone clifts gatter than saved. aspect is completely many hundredied m. trigh. Their cust into defferent from beech grier seen yesterday - Lem. Possibly the water that Many frankouth trubles down over the ground mediterranean affinities on these dry cliffs - calconeous The Criophorum talifolium suggests this) or Welf faringent. it way wish oway the Khammus alternu Toxio products of the beach roots. Maymelen divina cliffs with little regetation. Juniferus Busings sampersonen Then grassy stope alobulania with grateles of forest amelandrie and saranna, mainly vale. Sarifago Congretion If Clianthemula of Untershinn majors freeen pubescens Heder helin Cynanetium framana asplenium tuchmange mer of. Pactura perennis

74

76

Bedour asso, on Raspo lift of crystalling who with spaise everen dwaf simb. Erice vagans Datoeria generata pilosas Figuretum vulgare, Wer namus Calluna vulgaris sedrem fosteriamm Julium mollings filene aspenium tuchondo grana ruleily Sanguerota minor o municala Genista hispanicy v. oxidertale Combilieus colyleder Ledur daughty lim Ogalis corriculata Clematio (Curbus of. Geranium robertianum geranium surgusaum

France 80The ment of the same May 26 - Col de formport 1635 04. Exposed welly pass +0932 arenaria flowers white in tours work flowers greamelyellow 33 Duphne townerly common in low mats of Rhododendron Gerreginaum 34 gregoria vitalling deprend plent, orecasional on bone with glowers yellow, 35 Rhododendron ferrugineum during struct, 2-3 dry, high, spreadings locally abundant 35a autostapleness wa- uni dway should arroll a uncertal, white with rose month and limb. may 24 - medwater of 12 20 m. gave I aspe, just below Col de domnifrant in low tague words 16 Doughters lovata common 17 Luzula very local May 24 - Peyrenere, head of gave d'aspe. below colde fomport is galium ered of courses greenish yellow. rare in patch of Vaccinion mystellism heathy stops May 24 - Freger Sabel, wager gave d'aspe 39 Luxula laly die ols a simal in neutral long at edge of Fagus Corect

1960 France 83 Garde Vigilian may 20 - Port de debars 6 4 2 ag Lavor I aspe limentons. In deciduous thickets on flowers white. 40940 taxifraga argordes received in cravice in limeston a houde 3 m tale sterile ucer opalais orcasional a combling stensively. 112 Rubia peregrina occasional on bushon mayre - gerge d'Enfer alowe Fort du Portalet, maker jave d'aspe diff south exposure occasional 44 arpleneum fortang recurional a small shoul, immater 45 Khammus - fuit morning. verasional He funificus shrub mital recasimal 47 Thymeles diving dual shows glowing - yellow. Francis flower white 48 galium flowers light pints 49 hinus occasional in shelland place occasional in saids of grathent in clift 5 aphyllanthes flowers blue. common on side of pathent in eliff

Basses Pyrenes 1960 France flowers white. 40962 Thesium divariation common in heath on 1.4 Polysala flower white. flowers halo levende-blue 64 Polygala in heath on May 27 - Col de Laundo is carex glaves 66 Hieracium flowers bright yellow. common is frim places flowers white to lavender. 67 Valeriana montana common on loose steel the flowers bright blue -wirlet, spring hooned at tips. 68 agrulegia common on loose sleef take 69 agrulegia have on loose steep Talus, serie-shades, with blue from. 70 Festura spadices densely earfutors. commany 71 Neotlin midus ans race on steel slope under Fague. flowers yellow distally 74 anthyllis writing flower purple, already flower maure. 7) gentians local on from steel, when 74 globularia. loss on firm steel takes 15 Lenery dominica flower orange yellow. nave in firm sleep takes

may 23 - was east of It christan steep front slope of Pyrenets densely worked with brond - Langed forest. only the very towest state cloud and in meadow. in him stand of Plantier agailmen, havestel stack year for bodding forther many Basque country. I were for cattle. Peculianity of stands maintained by cutting trypolant or menor quilled by of cultivation and of woods Bres de Bager del inimite es by well destaus et firets. Than entroduced species out from western N. amer. + forfreen ste fund climate. Untimally, the lower alles of this area are unted by querementer, but the has ruffered much from Ordina que utomo, has been replaced by the owner recipions quela. Highe Fagus is

dominant. a little alies

mean who of stopper.

hen ever, mostly Fredericober, large trees to 4-5 dn Ibl. VI-30 m. tall spaced 15-15 m crams not tracking being ungergrowthy to 3 m Tall. This trailer to a closed ford with scattered or at legat often undergrowth 3-4 m. digt more gre nor layer 1.5 m. of leveren Ruly Organian allyrium send many herbs. furt of the short layer with tratagons. Fragues. garden falle corn man me quend, climbing in tree. the front front of the other frest the character and sparely destributed from

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part actually

Hereding

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Uhran, an

and Jank

lm an

المراسس الديمرية

12 Lames

from from

Mend a

Symuller Fagus free hees at my of 1 3 dm Abh spaced 3 - 6 m. surula Taber, etc. 2. 2 m. gara Frem to 30 m. feel layer rather open. of Pelestrain, Antrewson de.

erg. Pterdum , a got len

mortana abundant

The second of th

1 Am 2 of Oleman Extensive lands atlantique or tought of Atenders mitta a # Aplagnum Log in alowance c lineate traling o lotganla vulgan Lorentymera humili a tra Cot ch a true rate c fremen paniers thynelis fine aurea e a Martheeium a-la britheroun songimetile Since . a Calluna mulgario genista inglica Orosera intermedio Cenngalles tenelle toppererm eloke Whetrom olamogetin Ellecetrum verticillatum Ranunculus flame () 18, me hour

Potentille repens

In Pleasure health

Leidium agus leman.

alliera valgan.

Pergada valgan.

Heldelleman sp.

Congrantleman sp.

Sierarum aurela.

102 1 = - u Fine 411 41619 faluen I in much burning in much post tourseled discotte. Il une us of funes of conglomente 15 Ellecetrum verticillatum very local and new 16 genista anglica so secasiona wound educate 17 Carex corn-man In amal to the am in heath facium ulanoum occasional (com 19 Potenties regions receive 70 Vectoring common 21 Servera Cier Tonecia locally abundans 23 Elevationis wally common

fores vist.

prostrate stack

100

to granded on lovery slops
to grandint of the contract
and their punions of much
every rangens, Donychmus
suffering forming
there send
molling
forming

May 17 - e. of Bassoner Te. Monterquion On one side of was a semiopen rate forest. On other a reloved and breed, trees 15 m. Tal, 4-20 cm doh. shared 1-4m. canoling 30 %. Rather pronounced seems story 3-5 m. of furifiers, Ulmus, aca competts, + orlo. Cratacque, a love a limb layer in 2 m of Roser, from opinosa como sanques. Cice, Ruby, bolows terminaci a dway shoul layer of Enco Rubus Koza and forther - Rubra peregring, Hedera Helix, Viburnum lantana. Commof Juniperus, dress glaves

con almost complete grown

layer of Aglocomnion Typutio.

fine money bares of heer & studente. he carretry of of fulling notion but no sectlings a her supposed tres. a little signitum mostly side with fring slope. the open Goed on choothe side is a lighted swarm of guerous petraca-subscen when Much Juripeus, Janista scopins, digustrum rulgues Norychnum, some Energ wagen a little I wines spinoses, Korgaming dens har layer. of alote, the frest become dense, statut still less than 9-11m. Junipenus beemer more luxuriant and denser and reacting sm. ht. other shrule berm less, except in Jenny. ters langer everywhere well diveloped mostly gran, but ranny othe the des. Pencedanum abundent. To open dway a low sould Horychnum, etc.

1091081000 4 nans Harry Hogel all may ra - Confus for , sant of Unacq in arriall oak nords on enged was beath. intected by bringer. 141023 quereus toya Open reus toya 4 1824 Carrena May 29 - Lowet , 5 lam wed of garlin 0.5 m tal flowers white 35 Verychnium sufrulicorum heath with further vans to small tree of Justin Jubercon codeminant in outs fore it on about a come 27 hours freezema seconding over Everles, commence and with intralety vest on southerful May 29 - 4 Remover 1 monterquion slender strut; frut mustus, 20 Junicen occasional in queren notion prost mad her 19 Green gubercens dominant in dry out fruit on wouth stops Hybraren transcent forming a costimum daye. in from of funcion robustons

and a series

the trees forthe

may 31 - bet Montpellier and a vineyands. a bet of dunes with armany and a number of other species and a number of other species of news or species of news, He lie brysum, etc.

Cet. Montpellier and of giles the vineyands are certainly the dominant cultivation and the dominant vegetation type.

In the low delta land of the lamangue the former salt marsher house been almost entirely emveded, during the last & years, to rise culture by the construction of an enormous canal providing wals for inigation.

Cast of arles in the regin called the Cran the land is very flat but just high enough to be dry. It was season, at least, there is almost me vegetation than planted relatively recently to widely spined trees, others with closely

Transferred piles of Transferred mismen under June mismen under June war, to prevent Landing of allies planes.

Between falon a not marreilles the country is rougher and greener. There are long a lifter ning. well surrounding plateaus of limenting. The bulls and covered by a tocally dense, ereally spars garges, much of it dominated En quercus correifera. Hotally a serub or serul- front of 9. wer, and partly ex pins of various and and inally planted, probably, but certainly spenlaneous now. The degradation of the querces elex and fine by frie results in the low sunt or garague. The querus conigna is in places mat like. freally graty have cleaned of the vegetation sothat little but lare limenton

June 1 - try by rout from montpellie to genera. Gently rolling land with light relding soil, darker in low Eplaces. orchards. Mostly of dworf tree (?). There Amall groves of lines pines, nows of Vlatanes, Populus, etc. sime hadges but not 8-10 minutes from mp. a few patches of semb of Julieur elex, ofren a mounter closes. Lunel. many trees show effects of 1454 host. a yew meadows. row hills, or terrore wide, to defit covered with south. Some other grow recovering from graye of 1456 bed still looking very tool. Considerable 9. Mex. forme young along graves. More low hills to left with g. iles and ganique, for some distance. Mirnes above nimes a change from a fredominance of viveyands to more meadows, with some vineyands Locally Country very flat han slightly rolling with

patches of firm, of elex, etc. some very low bell, then, in right broad flood plain of Chine. The followinedge of timed this orige with varied morning q. iler. grass, ytim section, ex. sens very such looking time Len some limentone outerys low to get cliffy even remnents, etc. The gravel tenaces. Hills to left. Crossed Klim. Flood plain very green, now of tree, it intered some hills nother side-rounded, pertially trave, partially with a sent of yweren coxcidera, some of alex, some granteme of works actually seem potents polished. Mod of a left some then country is glat in great ergain. Wal indhed one abundant. Crossed another fairly unde niver. (Dundence?) conignon. Then low agricultural land with abundant bedges grandheater and nowe of trees. sorgers - Chatan Herry du Pape. forms areas of rolling gravel with ganige of ilex.

Considerate venezarde. Mrs. queren - bylinas struly. form. lighty agriculture law with meadows + hedges. a tearler wheat in barley with theely beards of several. Predominantly grain and other ender. Orange. Cypielo windboah, against micral Amall wear of then gillex serve a serve fort. Inger ares in low hills on left. Broad flat for valley to it. Then -metor errin remarkant. and the ralley is mucht. Men rembfired of 9. week. some bally fragen to olive you. I wall frine froit rather ofpen. That topped mineral liles remants. Carrigu and unall wino on slotely. I kondragon. Offen norther rolling country some server. great canel. Orllens. Flat agricultural land. a few sinergande your Favaid. lat agriculture sand, seve hedges a now of trees. I had tripled

gray rather mmm. to few Robinia, on not seen 12 was for grain field, with no heady is of trees. a wed never. Dongere. fills of -t. apparently limentone, tracket man of eliffs, large niver (Khone: 5 to light. I pen fine food on en of hills. Hells also on other side of nier, quite class mothy thin series covered, except ju dense semb on talus and some fratales of when him works. Then a large flat valley grain fields, hedgers wind bedy Ennmous cerrent plant or something of the sort. forte left, cutting into bill. Large canal. Montelima. Low agricultural land. Hedge and round in withour. Terrous & signit, with soul feel of green on the Front never tittle level land a right, Hills densely worsled. Valley with action abundant poplared other Trees, agricultures Indrando.

agriculture Iral marlows, a sin wireyard at with man bedyer and trees her alle desected terrore with grown fields, orchards, (only edge lissected) fore small nounded hills in lest partly wooded. home hedgestret not many. Vory few venezonely but cretardo stil immer mor grain than anything. tain sized more - dust i water. regoded have side, Isere Vernan. that agricultural country. Mostly grain. a sen inegards. frome nows of trees - Padamis. The river of dirty gray roater again in right. Country suddenly nather rugged Disserted righer plateay. Rive has wrody bluffs. Worded country. adam in the my. agriculture above dam in left side. Kangeof nigged -billion other. Rolling valley - several terrace levels along niver als fruest on breaks between terraces benaces agricultud Many tree. Spectarula in oliatance to

ngh Irohands, hay feelds, Calfalfon). Fills to left mostly parters serve small woods. Valley nerrows rapidly Trany ravines. There wooded. Kobinia abundant. moter in other side of wars, & right, very atrafat, mostly wooded. Valley floor in agriculture with many trees weally deternoperfort. walt Walnuts 7 yes. Hills on left matthe ligh, faitly wooded. farge areas of waterut ordered. Valley bottom flat wides high, wrodel. I oplars are abrendant in valley bottom, meadown, walnut actions. Widery out somewhat. Tullen, Tires Valley withour more Micalous and some grain. Many problam. Hells on left lover. Wits on it. higher. Walnuts have disappeared. Thorrans. Large flat over grain, some vinegalds, many trees, asteres. abruft mts. again on left and right, with great cliffs. I lat valley bottom, with meadow vineyand, populars.

affirmt sedimentary veds different in direction was in a rivey, cuestas to offersite. Flat valley bottom, fairly wide Vives upon wines. flower of mits on both under velou cliffs frankly worked, bathy grassy. granoble. Fearing Frenche, Carge snow covered my. visible à nt. City and valley surrounded by bugh and alguest into. Valley is flat; donsely settled. bettersive agriculture - strips, trees, wines in trellises, gardens. steels side worded by and afore grenoble timely fields and meadows, whith bedge, predominate hancey above fancey much heavy industry really Hat valley bottom with mendows, medges, trees and gurden stribingly servet range to left. Some fronts of valley for gruits wooded. You celin. Valley widens some. Sover slopes mostly postere.

Valley widew out very conspicuously Meadows garden, nows of trees quen fields. Amoron peals to it. a studing diff alleft. montmelian. Vineyarde on love slopes, Scrubby woods above this, in it. Open rolling facture and meadow on left. Valley very wide. Becomer rolling tilly. perhaps a directed tomas. mostly partue, and grain. Velley narrows somewhat Valley Class rolling hilly to right, agricultural but tices abruhant. Patdood wood, nows, bedgle, willands. Valley beinly much but rolling willy. aix le Brins a large lake in left, surrounds by steel the mets. fower dofen cultivated where they my not cliffer. mortly burly a worder. Valley winders above late. quite flat. Wiridad Dyan orbruft range of hullo. con lage river (Almo?).

I now nerversed direction at taly. Flatted, fronty drained walter with willow thickers of Viccome fanly wooded and brushy. 4 of me as following the None but it is on the right . وأجزارو Rolling grassy - bulls. Dam, backing up Rhore to form a reservoir Hills wooded. Irve rolling valley and low bill dand in menders Bellegarde. fower slopes ing ass and gardens.

fun 3 - Juna mo.

open 9 closed fromt of abries Price locally Frague -Vacanum mytalle very abundant breakly attirely bell layer -& Drypten file-ma c Dentary Tille seming y Vista da argenila of a stellare e flialistrum V Inernand e Grimula La Turrilago the Oreales dectors e Vicintum

much mornior grown!

and care, of the server the ing.

the hoster base and Transley in for

Parture on slope with abundant from flavo

Prehimmila Polygues Caren

locally valeriana, anomer Caltha, Jacom Pinguine,

June 4. Valserin above Chypry Vefile de lors l'alme Chimestone cloffs with Crims, Jenn, Satisfuga aigon, lagina,

talus with broad leaf shrubs

Plantage Cultures Parquealist

Jura mt. 125fun 3 - Valsenne, just below myoux ent, spile fundant. 41030 Egusetun common in a lotting mendous and an adject of spring front. inflorence blancish. in deep wood a rock in Extend woods 34 asplenum winds June 3- stoper of short Rond 13) zwig # 4 above Col de Faucelle 33 angle noum wind Pues - alrest Fragus work geower white. 39 Ospenila common in Pines- Alres - Fagus fred forming mat flower 25 y tobularia very local June 4 Defilode Lous Balme. Valserine, above Chezery 36 Melypteis robertiana raid in creviewen limeton liffs IT deplenium ruta-murang new no cravices in lameston cliff flower lavender. 38 Janning limeston carryon June 11 - La Rivier above Chazary, Valsering, periantly prody, til deel 39 Orchis enman gligam bulbour. meadow

Below Chenous - Frens

Sedum of the humen Palium

novena, Helebours, Porming

Daniers (??),

Elatiat bottom with Engelia Melen Come is Medicago, Leoghurales Onelide in woods

Thatange ets. The valley widen becomes brushy Even some lowers event.

Pices goest again. above montron shown replaced by small Pinus squestin

replaced by small former of menting east - close short of rais small prins, with drangula from shrub layer of furnique of Princes thereof the Constant of Princes the Constant of Constant

Blu Lating or magenta.

Beyond Col de Berthian generally a grants-land of pubercers, etc. firmestone cliffs across the Cin Ki 16 Buses scrub on routh spoper. Services. gorges de l'ain - loves part a brushy lancecaje - a very miged server, much Buxus, (runn spinosus, etc. stay sloper gentler slope in gran frasture. In place looks badly overgraved on steel slope - probably by sheep or grats. (none seen). a photos (had) of limeston cliffer.

above Courtouphle Ilem above Mouse events grass and offen coulder punishers served, during scrufe of a heathy-like sterileplant Congress, several relieds 7 him wil limeton Ephrotos bown)

folom reffel wells (photo-lin.) is. folom, Replanium 3 m. Lagins.

R. ain or s. Cerron de Vorelins
a curious avery dense
annall Faque frest.
with some querens, Carpenna
acon campestie, almost
no undergrowth. Hedera
in yound, thin, locally
ravel convollaria
below
uneremo Chartreuse de
Vouclase
photos (hod.) of ruin, hod.
by w. of, flowering merdon
+ worded oluff.

Chartense de Varchese

photos varo 1795 old 1111

fewer in walls

forwer story a series of semiundergrund chamber each
with an arched don't the rive,

fewer growing on arches,
a grantion of plants inused

from donward with climinshing
light, a band of marchantia (1)

last inword.

Grant of plants in croviers.

ferns deeply rooted in croviers.

& opens now your to meis

near Corpron

a depression in limeding

Platean surrounded by

meadow and inequalar

Busin sends. The depression

has a thin to divary sends

y calling volgain

Levere legumes, grans, etc.

Levrettone. No humanst.

rolling platery of thin soil.

Connectors with thin soil.

John her and various with setul.

September of the organisms of the september of the organisms of the september of the organisms of the organisms.

September of the organisms of the organisms of the organisms of the organisms of the organisms.

160 m.

Lac de Marlay
hotor breve bod) of rich
mendow with fls. of lake.

Deliver Plananthus ry.
Deliver 1
Conshiphi 'ley fls.)

Fotus Phyleum 2 rps.

Crepis?
Chrysanthemun levernthemus
Trifolium praters

Planago feobiors

Marine 4 - Chartreuse de Vaucluse lin lever juneton was of

in crevice in 12th centur much abbey

4.048 appleasium ruta-muraria mon

49 Thelyptens robertions

50 asplemen trichomans common

> tuney - 2 hm. s. of forces. south of Clauraus derince on rolling grandand with they soil in limestry, realtered Jumperus

2 relain

52 / years 1

reasonal

53 Orelies montana? Chromanon

June 4 - Coyron, e. of Orgiles 54 Cytimes? very common in and around a heath-like degrees in in rolling limeston plaleau

> June 4 - Cascades de Herisan month of Borlier Taxus traceata now in words below Eastades along Herisan R.

1 17.72

flower puntuch, bude blacking marry. flowers green flower white little ods.

perver light yellow.

) inc

small tree about 5 m. call crown spreading.

May 3 - new of fac to Chalain broad rolling valley. very green, scattered cultivation, westy pastured, a few trees, lette a great yours. Surrounded by wooded ridges - mixed Fague and other decidences Trees. Les Reculent Cinquede la Baume - an enoungue box canyon ent in the limes tone platin vertical cliffs with tain slopes at lan - Junto wooded cliffs bare, tains mostly grassy, som lan and love, seallers The plantes by in a land.) words at the reco. exercus, carpinus, Taque. Evidently regimely a exclasso feature laturat head of valley worded. geentrants in the edge of the coleaners Juaises plateau wherein ires energe from the clift. tracinis excelor very armon, also make of. (2) n crevier asplenium hickmanes reaches great my. Cystopteis, Chelidonium Jeranium robertianum, melica (?), Elling (?), Browning, Jabi etc. Trilis (?), Urtica

at head - excellent

illustration of crevices

hollowed out by water

series of chambers in

striking gother style.

Pools with blind craws

You with blind craws

Many bats.

Much water when

thee is rain on the platean.

meadows on steep telus with thelyptonis, etc., agnilegis, Ordinany below tree.).

Crotenay-(liliae a radial)

Crotenay-(liliae a radial)

much low dense second

growth forest with scattered

langer trees. Congoing gring
on locally.

June 5 - Fret de Jours Senter de Glaciere

Picen inest of strike and Picen. There to 50 m. high varied in diam but to at Suct 125 cm oldh

Threath bruiders,

stored lawer of conian Valuation Chapter for the Ruby

Hedera Chilornia Cralis,

In place athyrium completely tominent.

Elicity that more was boulders.

Bases of trees are two love for love.

Journal of trees are two loves for love.

Journal of trees are two loves for loves.

Journal of trees are two loves for loves.

Which more and some trebens on trees esto in a timbe

there.

June 5 - falornay

sloping greadow on these soil over limestow. I have not falornay fatches of Buxus. Buxus. With some other hards. Orchis propositilis

Juna mis. 1960 France 139 1384 June 5 - Conque de Baremo 41056 Cystopteris fragilis somewhat impiters 57 igness William vernale M. B. 58 Linaria acquitriloba craeping common on steep limestine takes nhizome buried. 99 The Eyptenis robertians abundant locally in herbaceous vegetations June 5 - Ersteray, near Campagnalea / leaves dried at flowering time 60 Ornithogalion pyreaming b. very common along throabile in woods, also seen under trees Junes - Salornay Saow it Louise Incloping grassy medalow occasional of covers maganta white. by Julium mollings L. monny June 6 - Moulins (Milia) flowers canary yellow. 63 Chemis futiers L. for des le tiers, Varie)

July 4 Gest Falls Flowering Lysimachia ciliate Circaeq quadrianteeta Englithenia canadensis Hystern your canadens blymas regimen Campsio lugerm stigrous galum oblongitolium highlium tepens Rumex obtunioting Juneus tenins Plantago rugelii Chrysanthernum leveenthemen Polygonum persisain

more Co. month Current 143 quite intermittent -July 8 - Love them Frenes in placer dense (Vaccinium. Buyd Tract, James help Draing gaylussacia), in place strong of your about 18" draw absent, where firm needles 19 from ground 68 rings. are Thick and Cornus, etc. probably 1. tacks; a most any closed. of near by ones av. deathered cutting hav. near brighway, Tree 3- 4da Morais of hardword flight fring reproducting frest with a few pine, The sandy. on low ground, and prine with a few transword needles to 7 cm - thick. on brigher ground. a Canoling of Junes mintury of 1. telda and scarcely developed. I australis on the higher acurious born of areas, rather strang, Khuz toxicolendon with 14-10 9 15 m. afrait, mustly yarrow loved teams, 3-4 dm. olbh. perhaps 30 m tall, or more 9 few large value. locally common, est. Well devoloped underton in muchen areas. Vitis notundifolia common of corner florida, quereusy. mostly crecing in ground Divelyras, Oxydendrum, anindrang tests lex fraca lex of. Carry of et figurislamba locally, but more in about 3-6 mom, tall, hartwood areas. not forming a closed some stumps in a layer heavily out area 3-11de. in opening 15 m. aum near ground. young Pinny tacola Callica you. needling 1.5 - 2.5 - m. Tall rem thick, 13-100m apack Thin here - theyer a dwarf should layer

145

151

Roserry Rivery the south of Pittsboro steen slope on set south and of Rocky Kines. mixture of aces -Jagus, limbs strobus free from, g, alba Conhus florida much Rhododéndron catawhiense Vibrainan rufidulum V. aceribolium. Kalmia latifolie de minin Oxydentrum. Enonymus americana, Her paga Polystichum acasateinide Chipaes refrens etc. (Words will sent me list) marily ords on me Connich say There is another stand

of same mixture with

Hotorto Pinus strobus on

1 side of Weef River about

4 mi west of moneme

Topuly 4 - midden

156 1960 month Caroling more G. 41074 Persea bulonio & pubercus shrub 3-4 m, all arometic, leaves glaveour beneatly July 7 - head of small brooks, Carroll's branch, I me n. a. of touthern Pines in box trustry bog ned by seepange -are - coming when 75 Dionald musiquela ourse. race, in small fenny, cowded by g dises, etc. hund 0.8 m. tell, 76 Cyrilla leaves ameninal glowery vecasiona geneath. 77 metro occarional in open fraces according; stome 18 ografiadium carolinianum fistulose; shyomes thicks. very common in pennys not marge red, 77 factoranthes tinctures - flowers fullo greening whites nare in opening shoul 3 m. tall, sterile. 80 acer nutrum val. common July 7 just east of fouthern time James Creek de sinage low sand hills amal trep 81 l'inux australis dominant carbitore; petals 81 aneilema fright fine. race, tuft at loss of fine tree erect; leaver applaing 8) Klims toxicodendra vay. Fruit immature. "prison rale" common breatly

Sherrandrah mat Park 1960 Virginia 160 ang. 2 - 1.4 mil. & of Big Meadows below road. cematis vigurians iveedy meadow along in flowers. Centaines laying a rise, scattered - raculosa abundantly amail trees in flower aselepias Lense grater & yellow gyracy in flower. flowered of garin s. foreist and hawthorn Rhizemes from a solid invading abundantly mat about 314m. Kubus (dewberry) forming with steril shorts abundant fratches 1-1.9 dm. tall looksing like Linaing vulgais, firtile shorts upt 4-5 dm. Tolid patel of Kulbertin lacinista in ser place stems erest from buried galium sp. venem sof vene shizomes, flowers yellow, or. very local, dense patch frond flat on grass. 38 Bothychium multifiolion rane, edge of meadow, roaded flower yellow. 39. Hypericum punctatum Lam. local in meadow in medium shade. 1700 ang. & how follow, & Platamus commen South Branch Waked Creck around edges. e. of liney m. clearing just above Hembreh - white pine grove. with wins of stel with frenews coccines, tulip, et abundant. Pyrus commun. Mitchella, Polygala of.? Chimaphila maculata Busins, Oyus makers gaultheria, Potystichum, etc persisting. common under hees. Linders benzon, common in undergrowth. (inus and Tonga seedlings common

Shenandowly nat. Park 165 ang. + - Dry Run Fall. 7-47. in densely wooded fat bottom of navenegrantly felled with broker with, crawies filled with humes foodyera pubescen (will) Ka leaver gray, green with white veins; flowers while or Cares laxifica dam. leaves glaveson, - slightly cusped Caulophyllum Thalictroides fruit green. locally common 04 Botrychium vergineanum sur abundant along trail of Fastirea obtresa reasional aug. 2 - below Dry Runt alls along old weedy road on densely worded gentle slow De Polymnia canadensis flowers trale yellow lozal mot yellow. galium circaezans 08 (26) Melissa officinalist. flowers very prole lavendes. locally common 09 Mullenberging teningline (willd.) 1343 erex. vecasional in trav 10 galium tuplorum midy. occasional I'myma leptorlachy blower trinking " occasional

166 1960 Virginia then, Nat Park 167 event, plowers yellow 41112 agrimonia miore orga Wells. 13 Virla leaves erect common 2 14 Plantago occasional aug. 3. east slope of many Rock in queren firmy - queren rules frest on broken rock from exact type locality 15 Springer betulactolis f. campin took common of f. campin. fronds according 16 Lyoften from caudes. 17 Digitaria sanguenaci, (L.) kup ered, send dams 18 auertana laevigata (Kaf. 1Kaf. from base, felowers yellow, occasional wing on world whole corllas caducous in lateafternon. 19 Carex radiata (Vahlen).) Devery common along trait flowers yellow 20 Heracium paniculatum common 23 haver vinescent much.? lovely tryted. occasional in edge of trail -culms ascending 23 gaylussacia baccata shrut 0.5 m tell. fruit black, juney. common in grately send aug 3 - Pass Run w. of Farmings hen - up to im. tall, sterile. 24 Lesfredeza curenta abundant a road with and ambanders, with

End scope is a talus of but to be soulder of freet is nother dry, well draines, of quencus princes of Kalming but layer of Kalming but layer of Kalming but layer of menyiesis, scattered acer penaglivanieum, meillen between between weiten.

Upward this becomes more moist, Rhodoslendin. Thena Menziera, Hydringer etc. become more abundant ors dr gern, est. Denna tacoltin a patch on the upper slote covered by south of Ralma and que veus ilicatolio, some Castanes spirate, grylussing Vaccinium, etc. by summit correct by tymes a mericana querous, etc. o world. faciliaga michanin Vennstadding in crevices on well diffes on west side.

1960 Virginio jones assending 41136 ethyium and corolia dried 37 Havenaria vende any. 3 - I mel east of Dig Mostowy head of Ragadan Ting Road in fragy offenings in sund growth trulet. 39 repoterien agranium tem receining, - fre engles yelow remmon locally 39 tolidags junceum severe stem from 13 uzles - mmch dase up while, oder musky-sweet 411 melantlium hybridum versional ang. 4 . South River Connetery 42 Monarda fistulosa var. flowers deep magenty, lower lif mottled with maron with a central strap of a obling love, I very much - shorter wunded lateral over. 43 Rhammus steril vigal shorts 1-15 m. tall from caudices common and alugames which have flowers dels earlex, lower ly 44 Monarda didyma: trelobate, middle love much longer common Caestritoso, leaves green , while 45 Miseanthus sinensis f. two clumbs among many normal green me,

in steep wordel alluvial

bank above stream

51 galium lancerlatum

so Hedyotis profunea v. temufolis

occasional

Lange chump, much - glowers fades - and ent event shorts corollar - empanulate, rose pink. - fruiting shorts dear.

PLANTS OF VIRGINIA

ocality

Carol E. Fosberg

Z

Occurrence

Large chump much

- glowers falls. m. tall,

Juiting shoots dead.

Date Coll Remarks Carol E. Fosberg

174	1960 Vinginia
41146	Pasonia lastifling Pall.
	Lymphorisa for albus var lawigatus abrundant (7 cm. 1864
	Jeanthus Garbatus

5,

rolly

relia.

Lum

mulotis

- flowers failed.

- flowers failed.

- included the sect as a surface of the section of the sec

ca ge counts much

acality

in it

Carol E. Foshers

1

Soly and 4 - Hone quany

48 Dianthus barbatus

granted presenting

47 Lymphorica for albus very law orgating aboundant 13 cm 1864

1960 Virginia

4/14 6 Pasonia lectifling Pall.

. Michy.

micha

matern.

Termfolia

ν...

41146 Pasonia lastiflue Pall. planted, persenting 47 Lymphoise for alburon lawingston 4 Dianthus barbatus

> 1. . . 4 - Hone Francy on Micha

> > a Micha

olatum w. Tennifolia

large ecump, much francied US m. Tall; - flowers fooded. shoots; corders campanulate, rose fink. fruiting shoots dead.

PLANTS OF VIRGINIA

large clump, much flowers faded. 2.8 m. tall, ampanulate, rose pink. fruiting shorts dead.

Occurrence

Coll. Carol E. Fosberg

elry

BATES

NATIONAL

2101 CONSTITUTION AVEI

Established in 1916 by the National Ac-Charter and organized with the co-and Technical Societies

PACIFIC SCI

PLANTS OF VIRGINIA

48 Lianthus barbatus

carge clump, much flowers faded. m. Tall; shoots collect fruiting shorte dead.

campanulate, rose pink.

() CCUSTENCE

Coll. Carol E. Fosberg

Today

Michy.

Mucha

mer

Emilylia

nano

NATIONAL

GEDRAK P. MURDOCK, Chairman MARGYON BATES
FRENTON E. CLOUD, JR.
W. MCD. HARMON
MARL F. MEYER
DOUGLAS L. OLIVER
ROGKE R. REVELLE
KNOWLES A. RYERSON
ATHELETAK F. SPILIAUS
ALEAANDRE SPORIT

2101 CONSTITUTION AVE

Established in 1916 by the National Aca Charter and organized with the co and Technical Societa

PACIFIC SCI

Earge county, much

Tooling

Micha

mily

n tum

tennefolia

171 1960 Vinginia

mare

4/14 6 Pasonia lastifla Pall.

planted, formating

47 Lymphoisa for alles on lawingston

48 Vianthus barbatus

174	1960 Virginia
4/146	Pasonia lastifla Poll.
± 47	Lymphoisarpor allow on energetry
	Vianthus barbatu

- flowers for a sunder	1	1	العالم المالية		the to	all;
	Remarks	Coll Carol E. Fosberg	Date	Occurrence	Locality	PLANTS OF

No

码	C. I	chry
2	49	Wicha
1	50	melia
		iel
7	51	7
ą.	5 6	mighin

1 ----

Large counts much of a newed, 0.8 mi tall; - flowers faded. amendent evert storts; corollar sampanulate, rose pink, fruiting shorts dead

Toley

Micha.

Micha

tum

emifolia

- Lange clump, much - plowers faded. - shorts: coollar - ampanulate, rose frink. - fruiting shorts dear.

cality

Ccurrence

Carol E. Foshere

1.0

LAND.

5 1

1 3

Tolly

Micha

nich

Zum

mifolia

occasional

is Hedyotis grunturea v. Tenniflia

176 1960 West Vinginia ang. 5 - Sprince Knot Lake

un mixed words on gentle slope 91157 Helyptens noveloracensis(Whenole

ang 5 - s.e. slope Africa mountain Pendleton Co. in dense maple - birch fore 7 on bouldery slope 3 58 galium triplorum michs

59 Cuscuta nostrata Shutlew.? local, parasitic on marious herbs

ang 5 - n. w. slope lywe mountain

60 moranda didyma lange colony in open along 104

ang 5 top of from Knoth of the stander of in incegalar scrub with scattered small Pices

61 Vaccinium angustigolium ray viguem (Wood) Polo abundant locally

ctd. 1. 180

stems yellow to orango; coolla white, scales white, scales orbite, scales orbite, balf as long as corolla crolla lobe neuros, style divergent from their stylepodium, stigmas g Corbose, yellow.

bract, and calgue, dark red.

bluish green water beneath fruit, black severtish

West Vinginia 180 - tright vers " sweet. 2 Vaccionium angustilitium van Carrefolium, Hour obundant smalltre alout 5-6 m. 63 Pices rubens abundant week, creeping, berlief tranches 44 oyrofodium clavatum L occasional and comes ever 69 Cadoria abundant between welso shoul in tall leaves 66 Menziesin Julusa slavery beneath, 67 Menzier gulosa variable in rige. downwant in an all 68 lotypodium vulgare occasional between wells 69 walis tristeda erest 70 Vaccinium mentamatemating show with to 0.8 m. tall; leave strongly reliculate very common bereath fruit immature. erect should 1.7 m. tall; 7. (Indvolendin roseum (wind) Kehd. - leaves glaviour beneath seemed creating, 71 Pycopodium annotinum I var a crifolium tern. gettico tranches erect. recommen 13 Loyeofrodium obscurum v dandrodom (ms) VIII. convenience fruit vermillion 74 Como consolensis L common Ging 1 + greenbrien Valley 1 mi m le of Bantow Preshoute Co. erect stems from 75. Monarda fistulosa vas underground whizeme workside in that cultivated valley bottom.

182 1960 West Vergenia

Aug. - Lower Completed

The see west, washing

Sing teeger.

11751, Enataco us esfecunda barg.?

common

Ang o - gatewood True (4555) This modge conversed by cutover beech forest. I me ned and sugar maple. Betula alleganismis, Prumus senotina

3 76 Fagus grandifolia va. Somenant in love, thick second growth frest aug. 6 - alleghen, Mt. east of Thornwood, Weahoutas G.

> 27 Monothopa uniflera aboundant in deeps leaf litter in maple front ang. 7 - gandy trates galvery Chels, Randolph Co. 78 Denothera nave in grassy meadow on lineatone slote.

79 Betula alleganiensia in cutovos mixes unos my 7 yandy River Care a very muddy care opening just below road at gandy sinh, an steel curve. I wo self. milipede, I care either seem. Ul ensible perhaps 1-200 m. and arrend cures, a deposed of delies with some tague met source and other fruit cours. what y die it from wood by an a nime No of eveny visible above but narra conic or as far up. Water of into care and disafrendown a vole some fixture in. at yandy finds or (Janky liver?) was into a work in the mountain raid to realized in other and.

spring sedlings, Fagus,

athyrum, oralis montante.

Noroptons minuloso to 11 129

4445 ang. 8 - gandineer Know flat top covered by dense sprice forest about \$10 m tall, trees 9-15 cm. log. spaces with a very few Betruly alleganiensis. 9 pew and theres Kalming Latifolio. ver mortered Phododendron maximum in fred small ofening with almin and birch. fround covered by a caner of mor up to 05 m thick. Thorotropy uniflora reathered on the mostly white but some with frink sterro. More abundant on mor. stumps and logs scattered in this frest up to 5 hm. thick, well rotted. Toward edges the spruce opensup, spaces filled with calming seril. Kalming and Rhodopendron just penistring flowering.

Virgin spruce area - scattered

100' spruces on gentle slope
with large yellow birch,
sugar maple, smaller mer
settween and in openings.
Undergrowth varies from
medium tend to spare, of Vibramum

176 196 West Virginia any 7 of prese Known False in marshy ground around edges of artificial late Vaccinium vacillans var crinitum Tera. common really under squires falium tinctorium L. 82 Viburnum cassinordes o erasion of 83 Blyzenia cinadensist Mich 17 vin abundant in a band a so ge or lake in water eng. 8 - gardineer know 84 Monotrofia uniflera L. approf nosen For occasional, with while form, an dense spruce forest dug. 8 - 1 mile month of Jaudineer Knot in almost virgin mixed spring and beech make forest 35 Carex intermercens var. fernaldig Ball nane aing trail 86 lianelly cerolifling common in marring prace below spring

(but leaves not glaucous beneath)

low of rading where,

fruit blue.

stams weals but erect;

- flowers white

- show 1.5 m. tall.

- built green.

culms event, panisle.

stems pale pinte, flowers white.

- ascending.

in dimensional characters
approaching T. whenyi, but
stolniferous.

from p. 1845 Warry salle a nothing loss. Really quite a few cut atumps perhaps only near trail. ocally spruces and closes and form groves with some Large hardwords. Add a yellowed cramy garely sand, with The layer of varying of peterty sandatus a quarte or scatter. Though was, locally winter who I sys sall I m. The your arme area as acc. Freet Lewis my 1, 130 acres - veras det. of 1 ses 100; average age 250 years, larger diameter 35" furnished by feeds maps frest that aveve books introver, that be in very me

and of brother around fine town of quereus rules, Prusher beautions and are withing

on Shavers Forts Rever, east of Ellins.

l'icea muleus 12etula al agaminsu Fagus grandiforcia can my um van glancer neer spicature ace pengylvanium 1/2 montana yer frodium lucidulum Visumum alnifolium over Kulvus O-xalia mentano Hennstaedtig franctilbula Thymum bein faming wayoftens spinulos Tolypodium vulgare son. orginiam Ceinting ect. Thelypteris anisacing (not atroubers) fraully or mitella 60 AM arex radiate?

fine mixed deciders

Freet with

Einsodendron telipiferum

Daydendrum arboreum

quercus allo

Caragolia accominate frasen

quercus velutina

quercus velutin

Danthonia compressa!

My a sum sy walies.
Rhodo dendron maximum.
Kalmia common. Frems
and especially byropodium
complanatum for the server
abundant on ground
Trees 15-20 m. rall who to

Robinsongh Plains, they in the man the It is the war and a character make and I don't los, their no ove a army ridge tomerous of a gibt of shoots a wood test it is miles. Us to a strong cently 1, the west. It covered by soul rangenes for era compact Viccinium of to a mixtur of I'mines sealing les montans, ace henry brancour, a more, Betwee alleghaniens, Khododendron maximum, lyma americany amelandio all. of with scallered lacen when alightery taller than 145 roll. The whole quite dense. varying from Im to 4 mil Tall. The towners was bet henryloanion The Knot relenden flowering The company 126 (conti Trava 9171 Cround of quartity states.

Tay Con Co. (ulso Barbour Co.)

Considerable and off

second-growth words

on high ground around

reservoir, some of it

fairly mature, mostly

rather young, finishendra

very abundant.

for soul & mile or so will, mostly gaylussais baccala erme Vaccinium, about 1,4-0,6 in dright with realless ialex, enoting Kalmin Catilolia Theny iena fulous, anchie Ruman penylving Lyng a mericans, a few talks netula alleg haven Spiner. Paulliera on ground, ain mainthemum. nonofantlus ray ground of quarty its slibs. Too dense fay the sacion and Jacon min south water proteter of inequaler. mand send of Kalmin, The naver vibures carriedes Japana momenna. Menofearthus. Her mordana, etc. Krumus aneleshus with your raceimm Potentilla triolentata commo in low want sand thebris of Theolog).

196 1960 West Virginia maryland-liga Extended the same of the state about a rein my of the word Trace on the of the devent sent flower white with in The agricy cum our offer grany plane 45 lotentilly historialy fatala white. alundant excelly in gar & grassy pleased ene an avende with 96 Hedyoth caemles funed, herbage blind green commen in open grany please 97 Lycopolium tristachyum treat in area ang. 14 - Broad Creck tranch of South Rever, anne arundel & 99 Maias feerilis (Wells With wholm about common to cally with other water plants or muddy bottom, somewhat trackish water. whom they sig - I befry totlow my will by the Will make a serie about distincted grammed moves protected 4 -227 94 Hourdendron White seed tongs 11 11 regulante styrauftunt " ten whom & aug 18 Bull Run For lover white top of Bull Run Mits. Tune William to. to spirala betulifolique common common locally in scrubby fruit on quartiets vidge

Vinginia 198 ang. 30. Gent Falls of the Potomas noted flowering androfrogon gerardi Cassia marilandica Saponara officinalis Emphobia corollata ypenis la cartiensis? arclepias verticillata aster linifolms (feliantihus of (tuberous?) Leshedeza cimeata Silphium 1 (Evs. ternate, gray few, navous) ambosia a temesuifolio Comerpsis (tripoliate los.) (all of above on rocky area near lookout below fall) Sept. 4 - same additioned noted flowering in piene ground agrostis Lespedeza mnens terris Elephantopus carolinianus Desmodium of. Plantago nugelii Muhlenbergia schreberi Hedeoma pulegiredes Oxalis Lobelia inglato Prunella vulgaris Solanum nymn acalpha

reclitites souracifolis Parmyelia canadensis anicum bossii Enpatorium coelestinum Lactura (Tall, pale fl.) (folidago juncea) mpatiens capensis Lacture (blue ff, entire ess.) Tovara virginiano Umbrosin arteminifolia Varioum clardestinum ? Opios tubeross Trichostema additional motes plowering rid. to your Nigitaria ischaemum Bothmeria cylindria Farnila riganoides ftylosanthes Juaphalinen obtusum Eupatoium jugosum Heterotheca mariana Factures (low, yellow, entire los.) Desmodium, of. Kudbechia hinta Erigen sonos striggers Collinsonia earnadensis yen an themum Polygonum sagittatum Jalun

Virginia Sept. 4 - great Fells of the prostrate blower rose who. Lespedaya common in disturbed or galium triflower var aspelletorne Few. very local along old wood rad prostrate, barning love mat.

